



Maryland Public Health Strategy for Climate Change

Wicomico County Site Visit

Clifford S. Mitchell, MS, MD, MPH
Director, Environmental Health Bureau
Prevention and Health Promotion Administration

August 22, 2014
Salisbury, MD

Site Visit Agenda

12:30 – 12:35 PM	• Welcome and Introductions
12:35 – 12:40 PM	• Overview of Site Visit Goals
12:40 – 12:55 PM	• Baseline Health Assessment
12:55 – 1:05 PM	• Climate Forecasts
1:05 – 1:20 PM	• Discussion of Data Usage and Local Priorities
1:20 – 1:25 PM	• Next Steps and Timeline
1:25 – 1:30 PM	• Wrap-Up

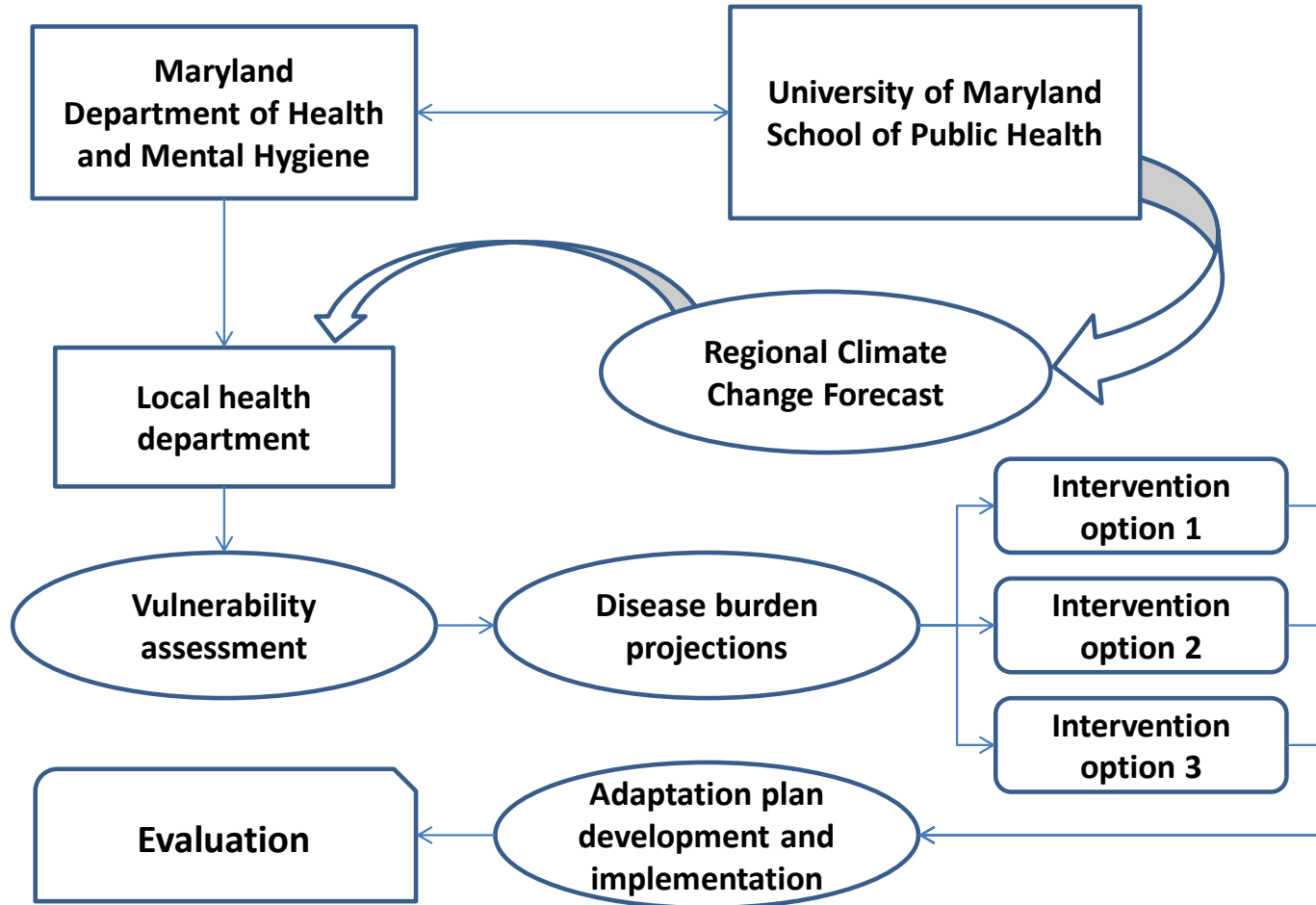
Goals of Meeting

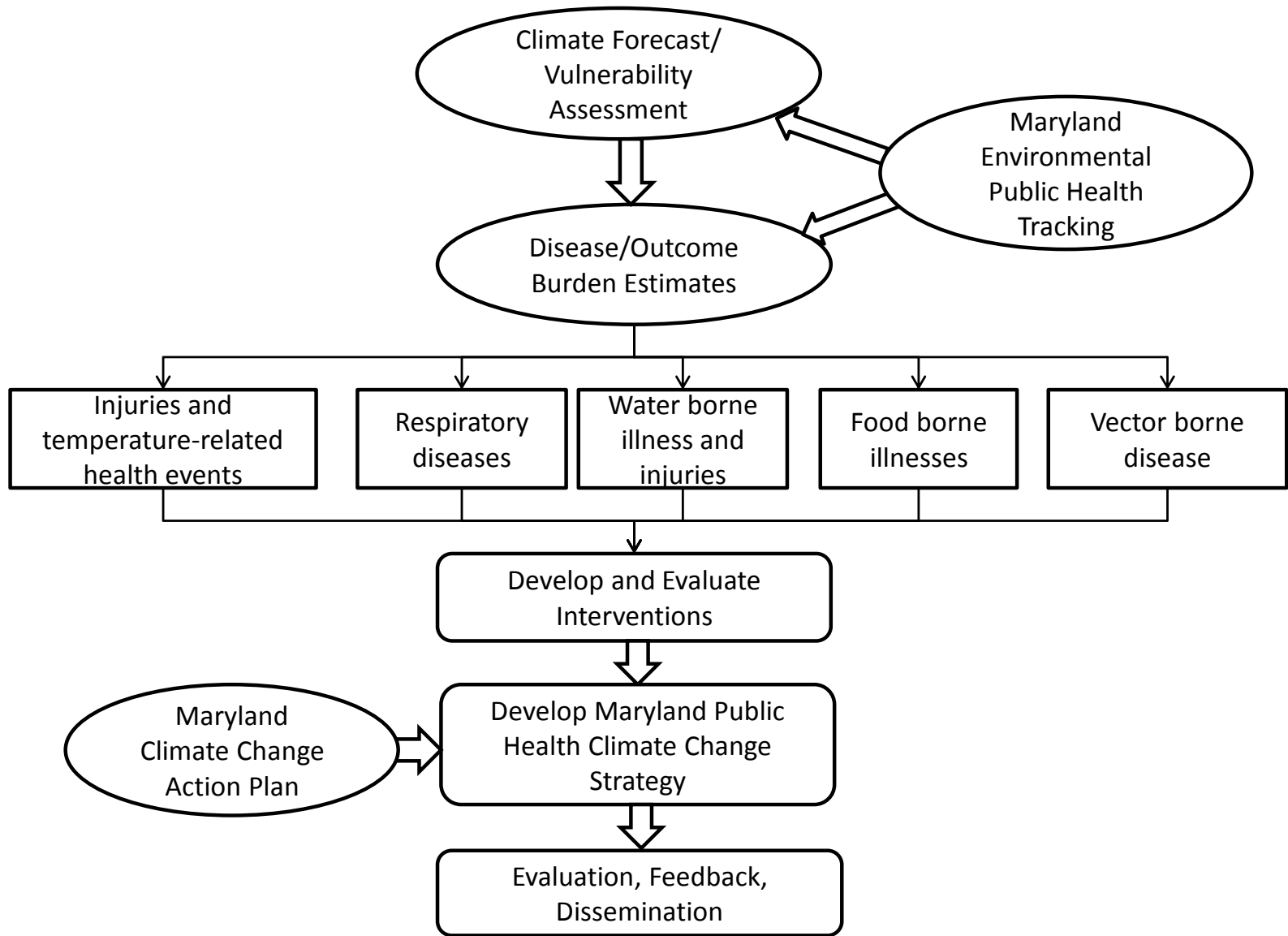
- Recap of the project goals and current status
- Discuss what Wicomico County should expect from DHMH
 - Types of products
- Review climate forecasts and health data
- Discuss set priorities for the composition of interventions

Welcome and Introductions

- PROJECT TEAM
 - Maryland Department of Health and Mental Hygiene
 - Local Health Departments
 - University of Maryland College Park
 - Centers for Disease Control and Prevention
 - Other Partners

Maryland Public Health Climate Change Strategy





Goals	Objectives	Timeline	Performance Metric(s)
1. Prepare a Climate Forecast and Vulnerability Assessment	1.1 Prepare climate forecast	9/1/2012 – 8/31/2013	Forecast products for selected regional, local jurisdictions
	1.2 Vulnerability assessment	11/1/2012 – 8/31/2013	Mapping of vulnerable populations, quantitative vulnerability assessment
2. Project Disease/ Outcome Burden	2.1 Injuries and Temperature-Related Health Events	9/1/2013 – 3/31/2014	Metrics for each selected disease or outcome
	2.2 Respiratory Diseases		
	2.3 Water Borne Illness		
	2.4 Food Borne Illness		
	2.5 Vector Borne Disease		
3. Develop and Evaluate Public Health Interventions	3.1 Develop interventions	1/1/2014 – 8/31/2014	Detailed written description of interventions
	3.2 Assessment of public health interventions using health impact assessment framework	3/1/2014 – 2/28/2015	Formal health impact assessment of strategies/ interventions
4. Develop Maryland Public Health Climate Strategy	4.1 Develop written strategy document within Maryland Climate Change Action Plan framework	3/1/2015 – 8/31/2015	Strategy document
	4.2 Obtain feedback from key stakeholders	9/1/2015 – 2/29/2016	Written feedback incorporated in strategy document
	4.3 Adopt and promulgate strategy	3/1/2016 – 8/31/2016	Promulgation on DHMH website, other media
5. Evaluation of Maryland Public Health Climate Change Strategy	5.1 Develop evaluation framework using common evaluation tools and framework	9/1/2014 – 8/31/2016	Evaluation using criteria adopted by DHMH, Maryland Climate Change Commission

Local Public Health Department Mini-grants

- Enable public health professionals in local health departments (LHDs) to utilize climate forecast projections
- Help LHDs implement climate mitigation and/or adaptation strategies necessary to protect public health
- Evaluate the mitigation and/or adaptation strategy used to determine the quality of improvement and to incorporate refined inputs

Local Public Health Department Projects

- Interim Reports due June 30, 2014
- Health Departments Involved
 - Baltimore City
 - Prince George's County
 - Washington County
 - **Wicomico County**

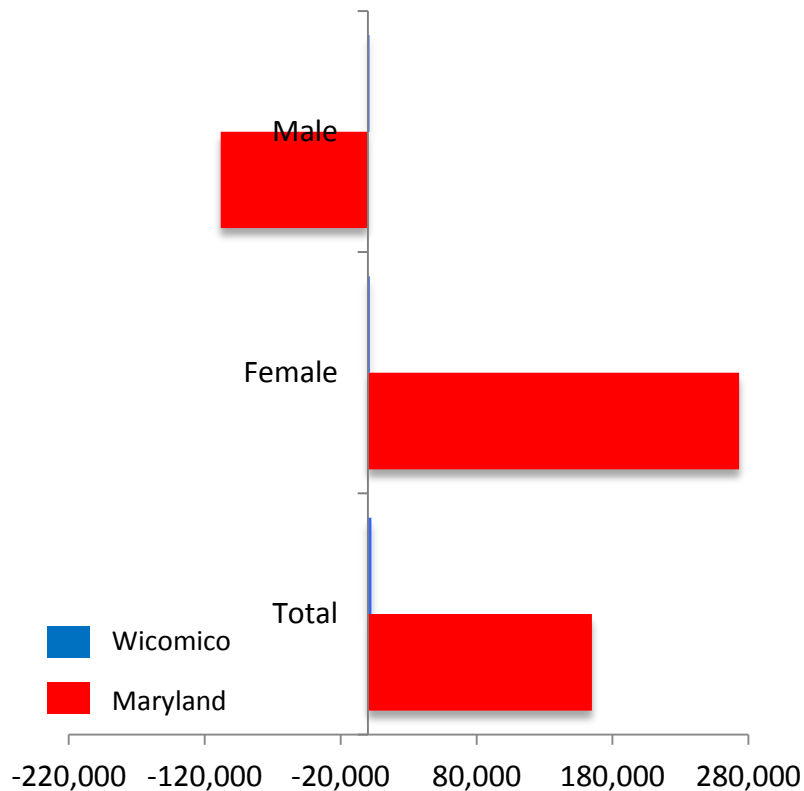
Provided by

Ann Liu, PhD, MPH

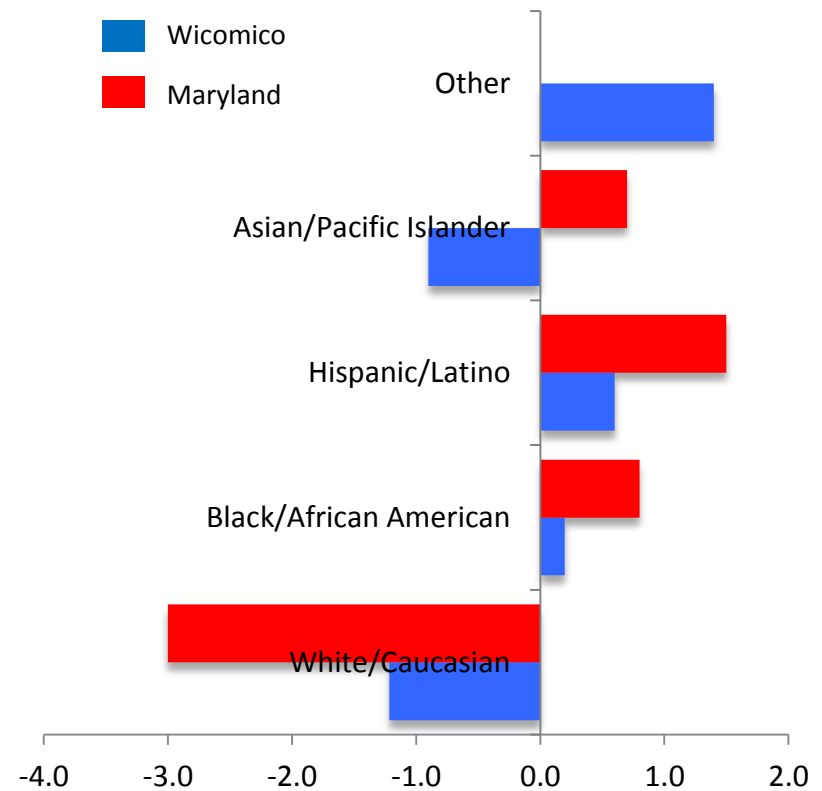
BASELINE HEALTH STATISTICS

Demographic and Social Determinants of Health (Δ 2005-2000)

Population

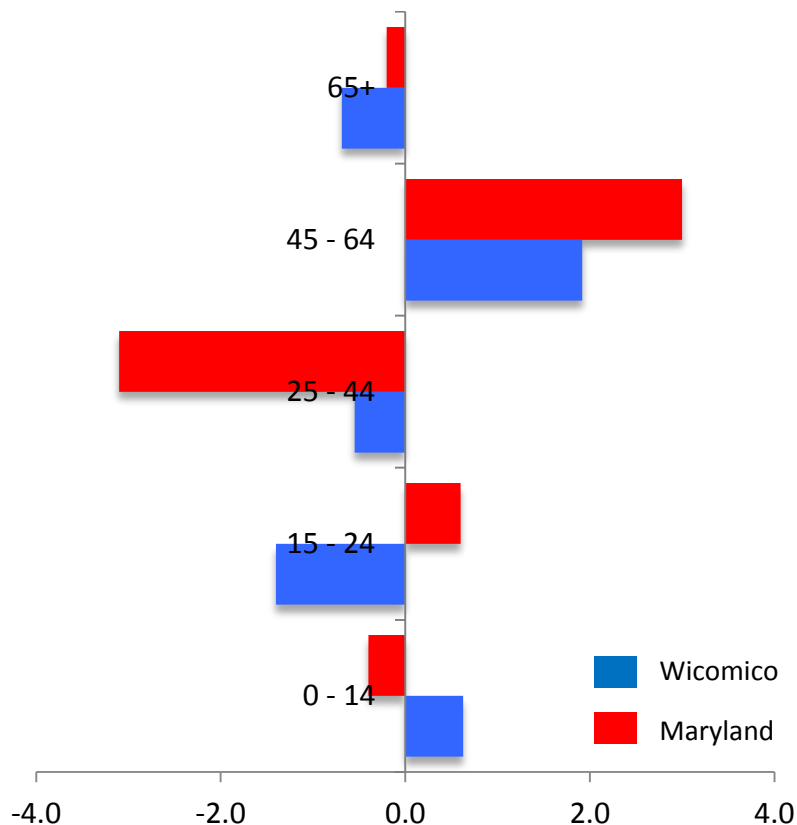


% Race/Ethnicity

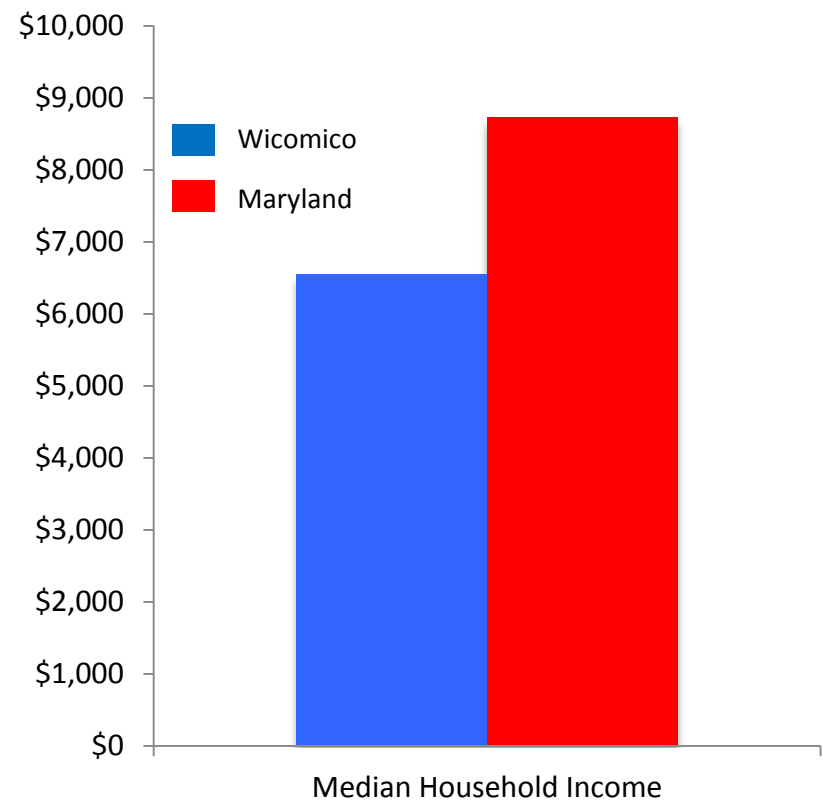


Demographic and Social Determinants of Health (Δ 2005-2000)

% Population Aged

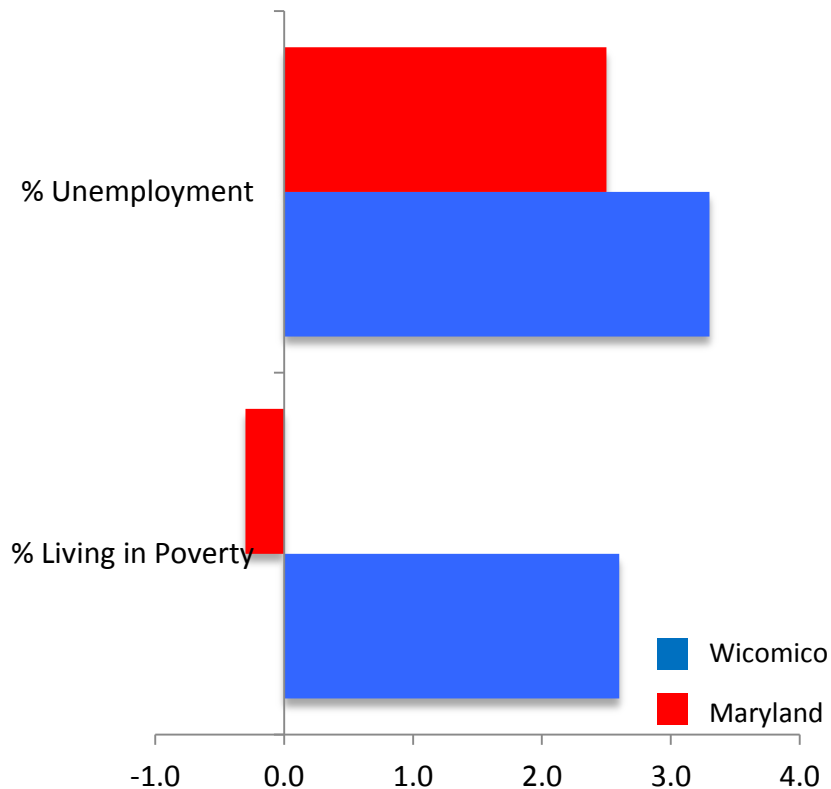


Household Income

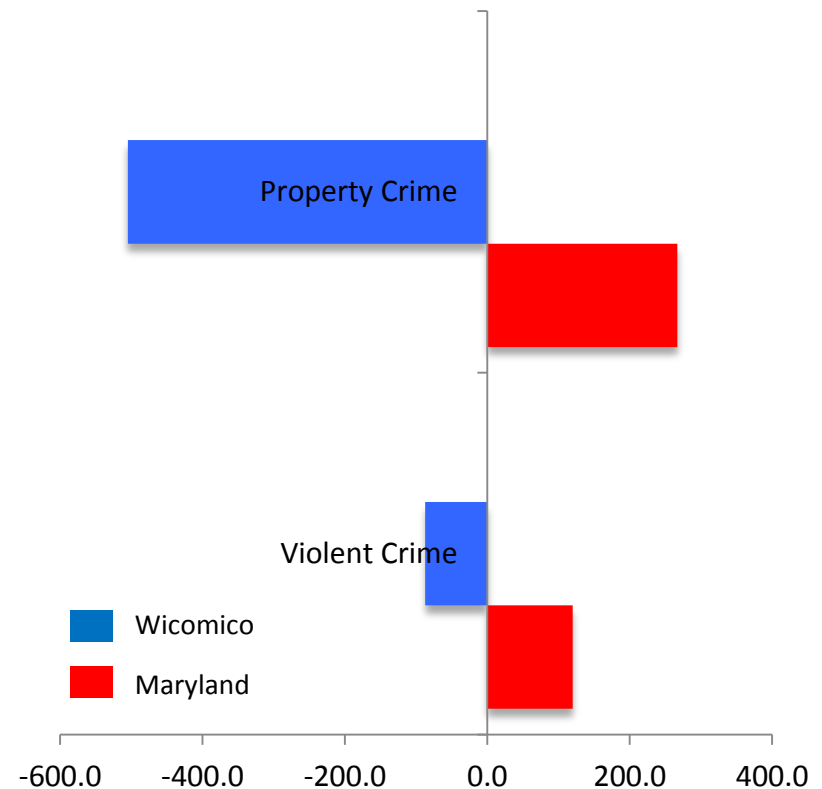


Demographic and Social Determinants of Health (Δ 2005-2000)

Socioeconomic Status

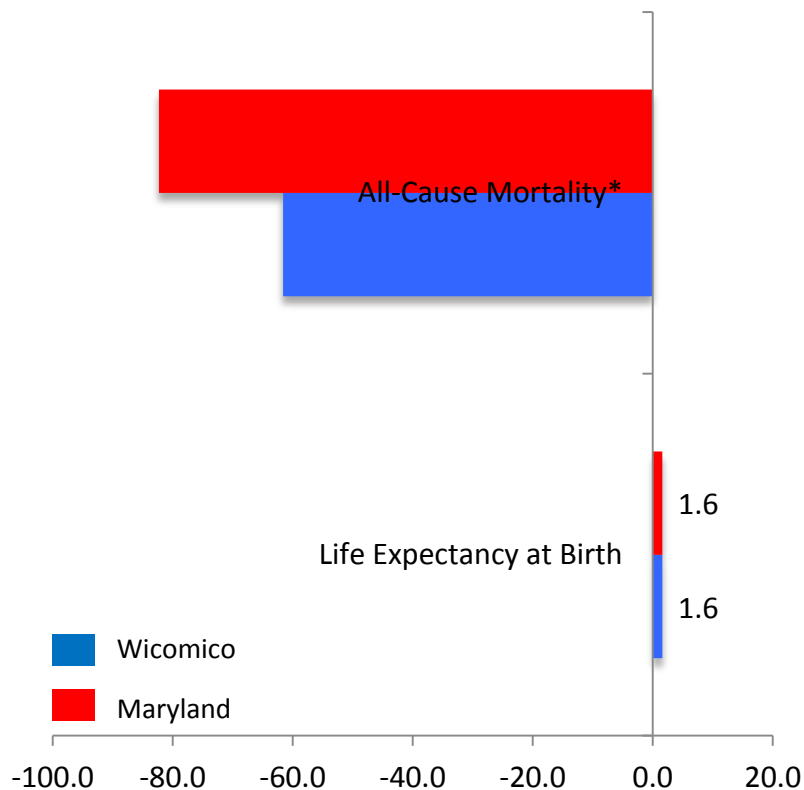


Crime Rate per 100,000 residents



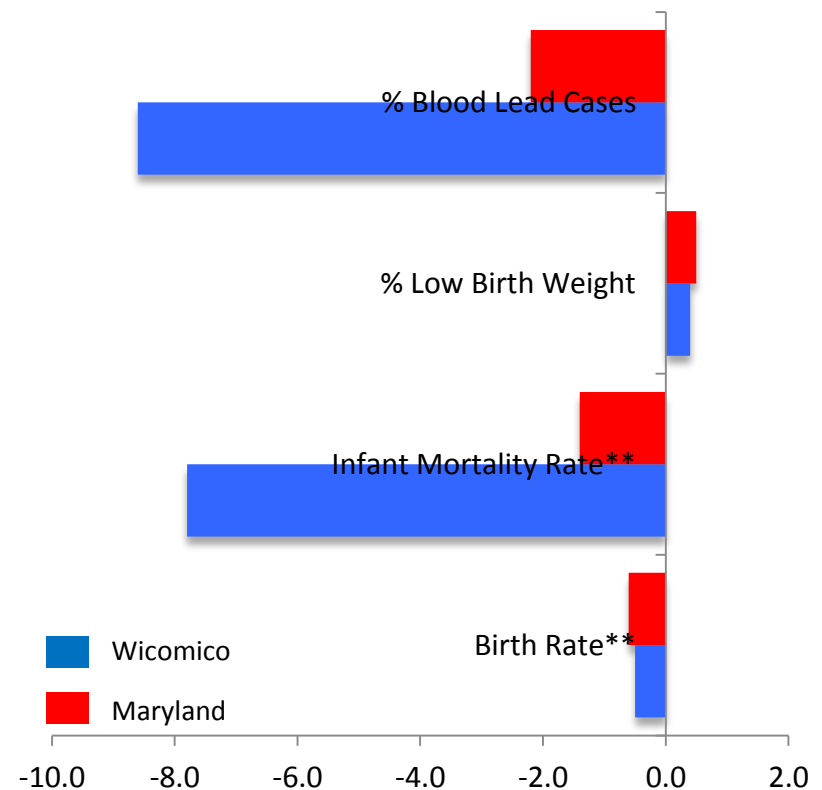
Demographic and Social Determinants of Health (Δ 2005-2000)

Overall Health



*Rate per 100,000 residents

Maternal/Child Health

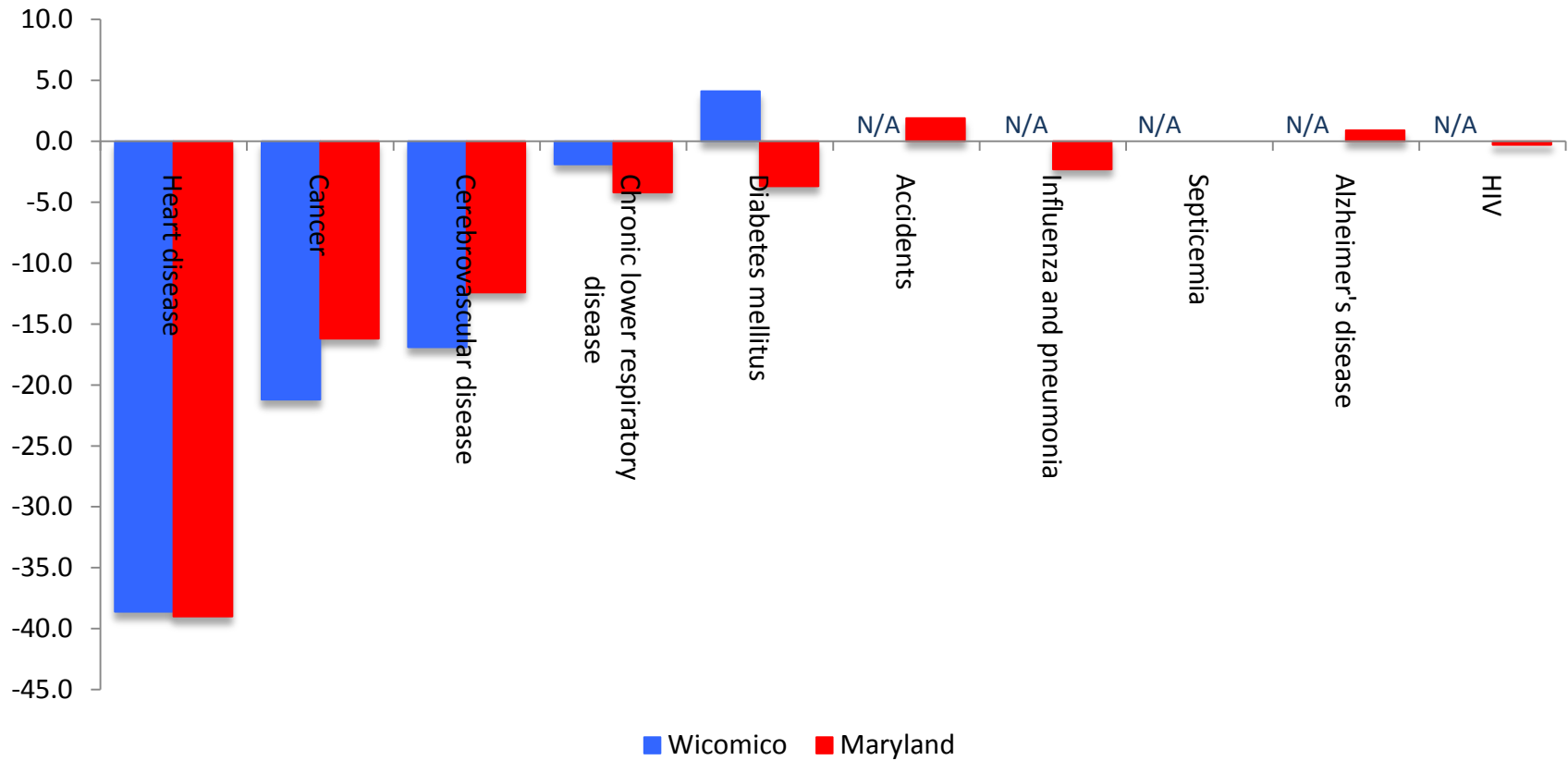


**Rate per 1,000 births

Demographic and Social Determinants of Health (Δ 2005-2000)

Rate per 100,000 residents

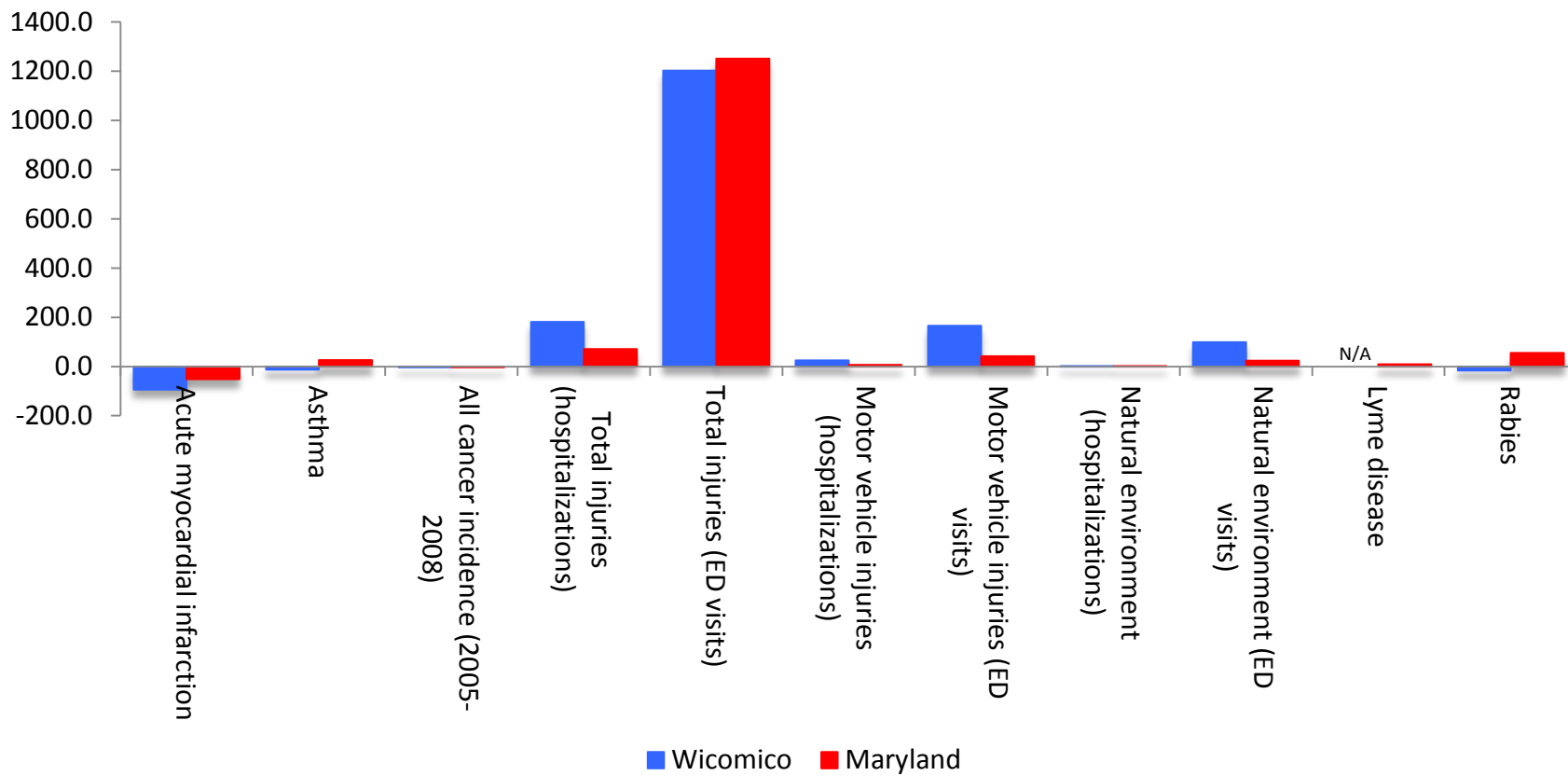
Mortality



Demographic and Social Determinants of Health (Δ 2005-2000)

*Rate per 100,000 residents

Morbidity



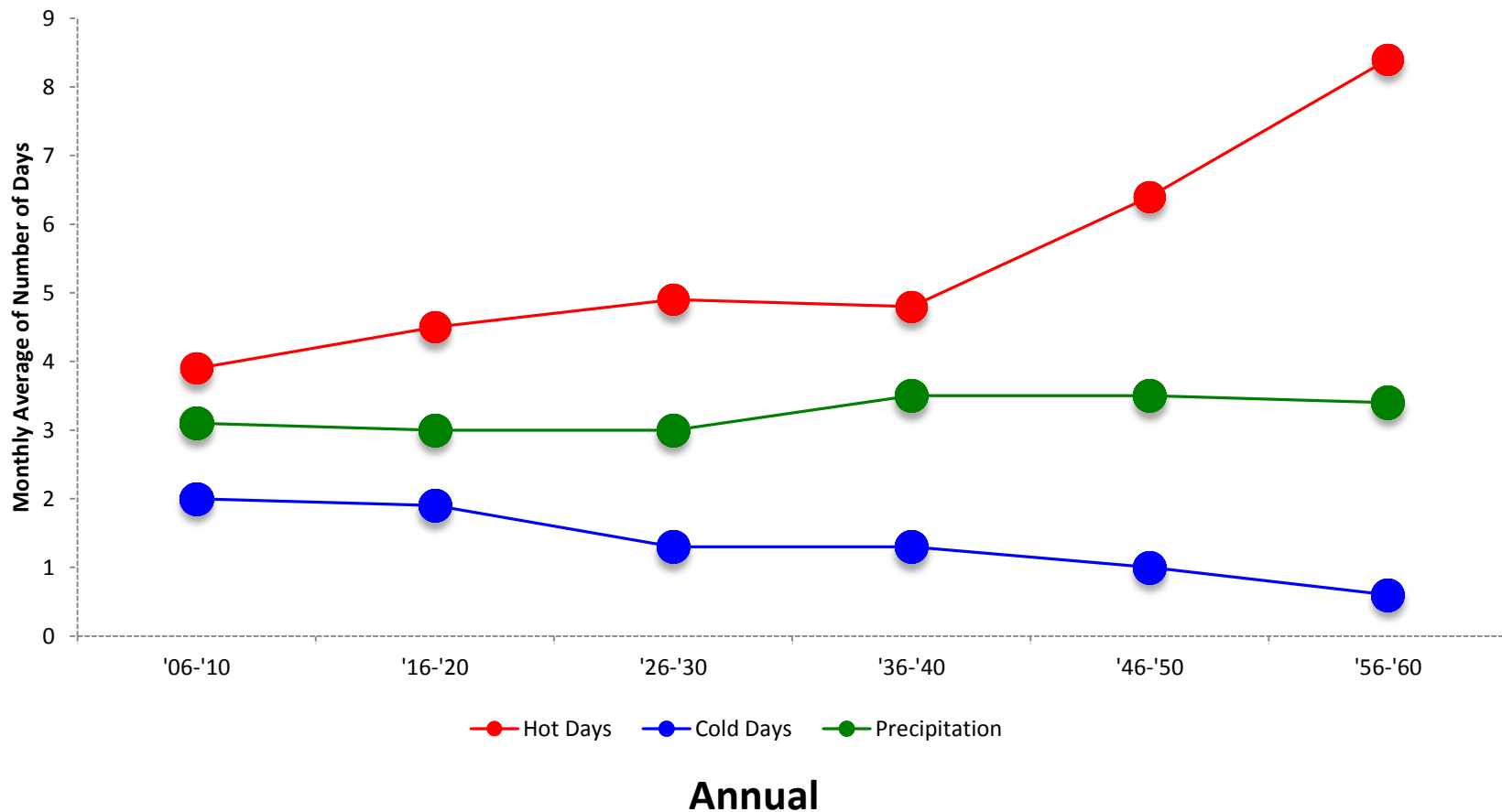
Provided by University of Maryland School of Public Health

Amir Sapkota, PhD

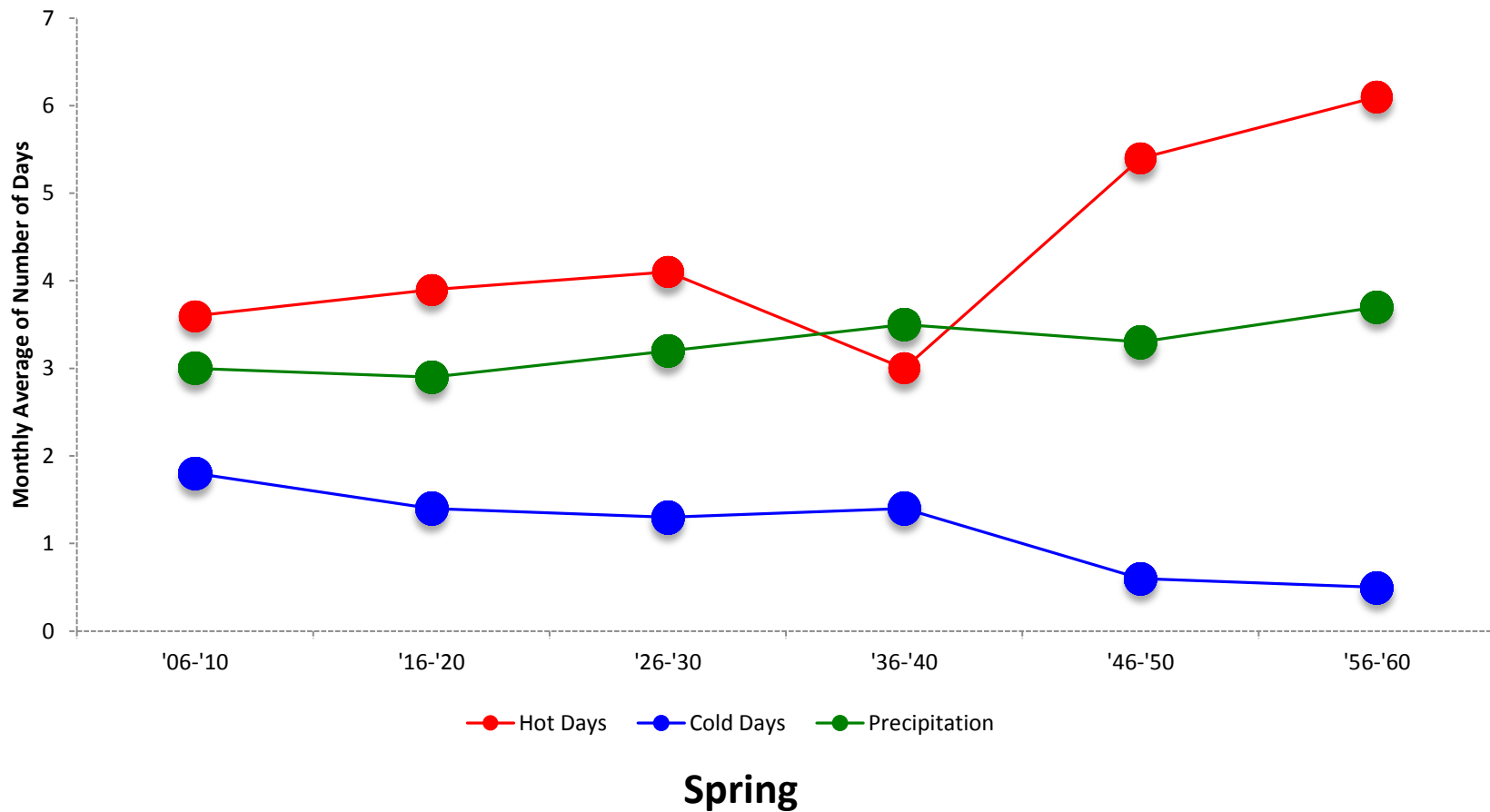
Chengsheng Jiang, PhD

CLIMATE CHANGE FORECASTS

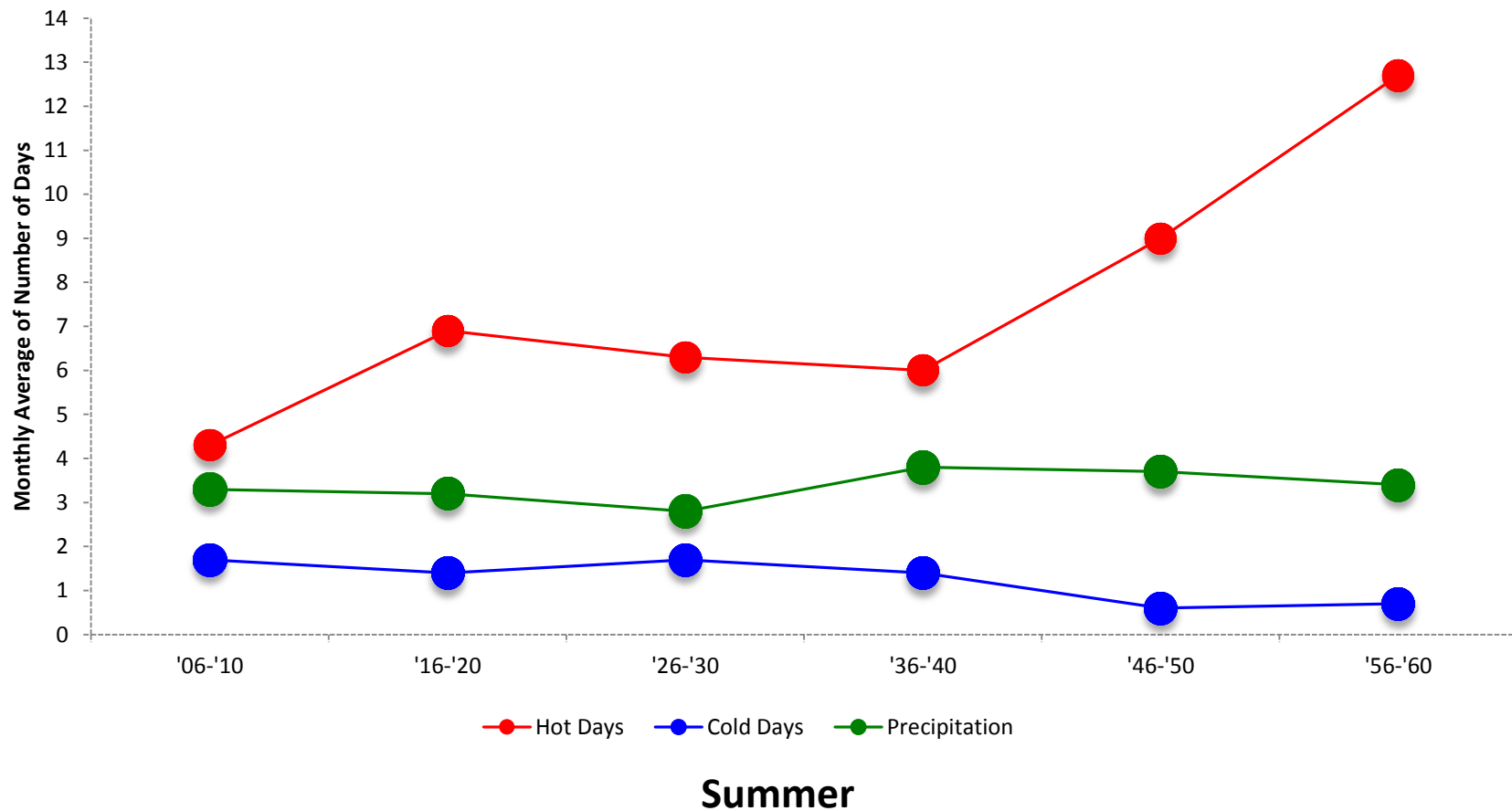
Climate Forecasts (10th Percentile)



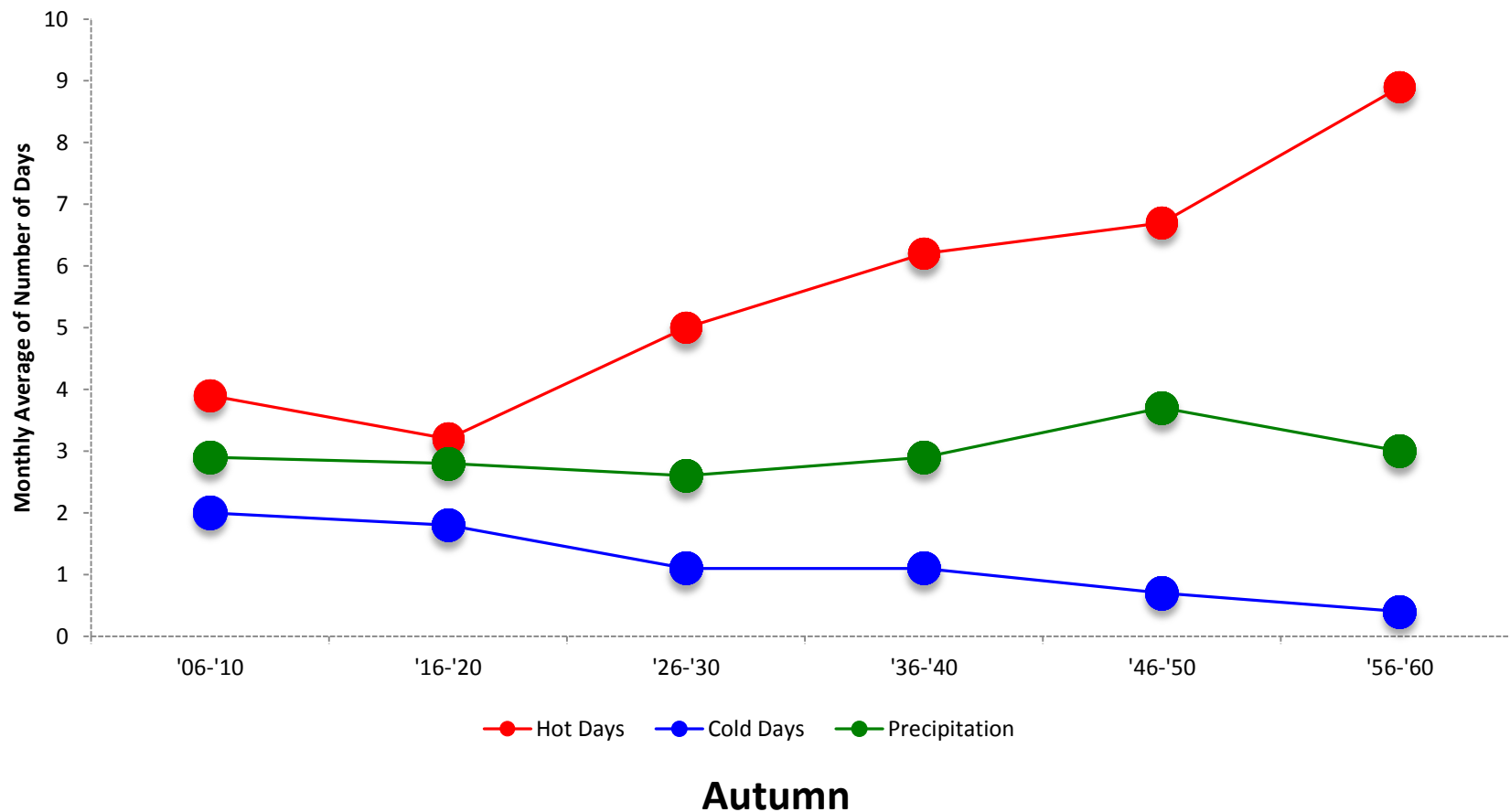
Climate Forecasts (10th Percentile)



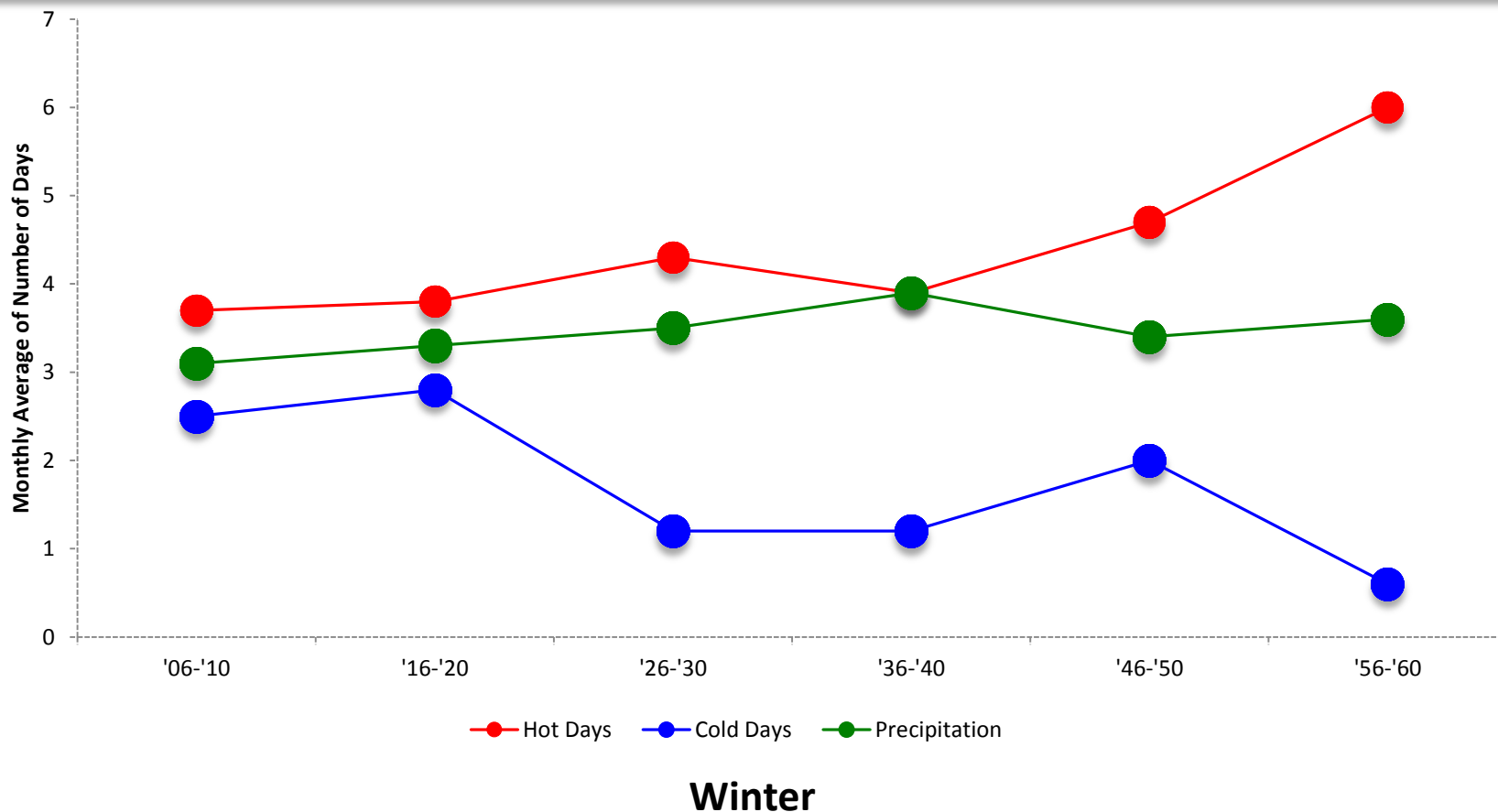
Climate Forecasts (10th Percentile)



Climate Forecasts (10th Percentile)



Climate Forecasts (10th Percentile)



PUTTING IT ALL TOGETHER

Moving Forward

- In what way can the data be used to develop a set of priorities and interventions based on those priorities?
- What is the process by which Wicomico County can complete the objectives?
- What community partners are:
 1. Interested in climate change
 2. Vulnerable populations that lack foresight
 3. Health care systems and health providers
 4. Business community
 5. Academic community

Closing Remarks

Thank you!